

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-9. (Cancelled)

10. (Currently Amended) Terminal equipment as claimed in claim 7 25, wherein the disconnectable part (201) comprises a display (197g) for displaying the information in the xDSL signal.

11. (Cancelled)

12. (Currently Amended) Terminal equipment as claimed in claim 9 27, wherein the disconnectable part (201) comprises a memory (197e) for storing the information in the xDSL signal.

13-14. (Cancelled)

15. (Currently Amended) Terminal equipment as claimed in 7 claim 26, wherein the terminal equipment comprises a block (193d) which is arranged for receiving and transmitting a voice signal.

16. (Currently Amended) Terminal equipment as claimed in 7 claim 28, wherein the terminal equipment comprises a block (193d) which is arranged for establishing a mobile telephone connection.

17-19. (Cancelled)

20. (Currently Amended) A data transmission system as claimed in claim 18 ~~or 19~~ 30, wherein for each first transceiver (299) the data transmission system comprises further

comprising an individual pair cable ~~(18)~~ for the first transceiver, the cable being which is arranged to connect the first transceiver ~~(299)~~ to the data transmission system.

21. (Currently Amended) A data transmission system as claimed in claim 17 29, wherein the second transceiver is arranged to establish several simultaneous xDSL connections to be transmitted over the air path to the first ~~transceivers~~ transceiver.

22. (Cancelled)

23. (Currently Amended) A data transmission system as claimed in claim 17 29, wherein the first transceiver ~~(299)~~ is arranged to transmit to the second transceiver ~~(201)~~ a signal which comprises the telephone number and/or network address of the first transceiver.

24. (Currently Amended) A data transmission system as claimed in claim 17 29, ~~wherein the data transmission system comprises~~ further comprising a switched telephone network ~~(21)~~, mobile network ~~(300)~~ and packet-switched data transmission network ~~(41)~~, to each of which the second transceiver ~~(201)~~ is arranged to establish a connection.

25. (New) Terminal equipment comprising:
a frame part which comprises a DSL block for removing the format of an xDSL-formatted signal received by the terminal equipment; and
a part disconnectable from the frame part and comprising a memory for storing information in the deformatted signal,
the DSL block being arranged to generate an xDSL signal and to transmit the generated xDSL signal outside the terminal equipment,
the frame part further comprising a generator arranged to transmit a signal to the disconnectable part, the disconnectable part further comprising a detector arranged to detect on the basis of the signal transmitted by the generator that a first transceiver is free to establish a connection to a second transceiver.

26. (New) Terminal equipment comprising:
a frame part which comprises a DSL block for removing the format of an xDSL-formatted signal received by the terminal equipment; and

a part disconnectable from the frame part and comprising a memory for storing information in the deformatted signal,

the DSL block being arranged to generate an xDSL signal and to transmit the generated xDSL signal outside the terminal equipment,

the frame part further comprising a generator arranged to transmit a signal to the disconnectable part, the disconnectable part further comprising a detector arranged to detect on the basis of the signal transmitted by the generator that a first transceiver has an ongoing connection.

27. (New) Terminal equipment comprising:

a frame part which comprises a transceiver for receiving an xDSL-formatted signal from an air path and for transmitting an xDSL signal to the air path; and

a part disconnectable from the frame part and comprising a DSL block for generating a signal in xDSL format and for removing the format of an xDSL-formatted signal received from the air path,

the disconnectable part further comprising a transceiver for receiving an xDSL-formatted signal from the air path and for transmitting an xDSL signal to the air path,

the frame part further comprising a generator arranged to transmit a signal to the disconnectable part, the disconnectable part further comprising a detector arranged to detect on the basis of the signal transmitted by the generator that a first transceiver is free to establish a connection to a second transceiver.

28. (New) Terminal equipment comprising:

a frame part which comprises a transceiver for receiving an xDSL-formatted signal from an air path and for transmitting an xDSL signal to the air path; and

a part disconnectable from the frame part and comprising a DSL block for generating a signal in xDSL format and for removing the format of an xDSL-formatted signal received from the air path,

the disconnectable part further comprising a transceiver for receiving an xDSL-formatted signal from the air path and for transmitting an xDSL signal to the air path,

the frame part further comprising a generator arranged to transmit a signal to the disconnectable part, the disconnectable part further comprising a detector arranged to detect

on the basis of the signal transmitted by the generator that a first transceiver has an ongoing connection.

29. (New) A data transmission system, comprising:

a first transceiver comprising a DSL block and a generator, the DSL block arranged to receive an xDSL signal and to remove the xDSL format, the generator arranged to transmit a signal to an air path;

a second transceiver comprising a detector and a memory, the detector arranged to detect the signal transmitted by the generator, the memory arranged to store the xDSL signal deformatted by the DSL block, the second transceiver being arranged on the basis of the signal received by the detector to detect the readiness of the first transceiver to start establishing a connection to said second transceiver; and

a cable connected to the first transceiver, the cable arranged to connect the first transceiver to the data transmission system,

the first and second transceiver further comprising a connection means for connecting the first and second transceiver to each other and for disconnecting the first and second transceiver from each other,

the second transceiver being arranged to transmit information to the DSL block of the first transceiver, the block being arranged to generate an xDSL signal into which the information transmitted by the second transceiver is inputted, and

the first transceiver being arranged to transmit, via said cable, the generated xDSL signal to the data transmission system.

30. (New) A data transmission system, comprising:

a first transceiver comprising a generator arranged to transmit a signal to an air path;
and

a second transceiver comprising a detector arranged to detect the signal transmitted by the generator, the second transceiver being arranged on the basis of the signal received by the detector to detect the readiness of the first transceiver to start establishing a connection to the second transceiver,

the first transceiver being arranged to receive a broadband xDSL signal, to modulate a carrier with the received xDSL signal, and to transmit the modulated carrier over the air path to the second transceiver, and

the second transceiver being arranged to receive the carrier transmitted by the first transceiver and to demodulate the xDSL signal modulated into the carrier, the second transceiver comprising a DSL block arranged to remove the xDSL format of the demodulated xDSL signal.

31. (New) A data transmission system, comprising:
- a first transceiver comprising a generator arranged to transmit a signal to an air path;
 - a second transceiver comprising a detector arranged to detect the signal transmitted by the generator, the second transceiver being arranged on the basis of the signal received by the detector to detect the readiness of the first transceiver to start establishing a connection to said second transceiver;
 - a server; and
 - a third transceiver arranged to receive a signal from the server and to generate an xDSL signal into which the signal received from the server is inputted,
 - the third transceiver being arranged to transmit the xDSL signal to the first transceiver,
 - the first and the second transceiver each comprising connection means to galvanically connect the first and the second transceiver to each other,
 - the first transceiver being arranged to transmit to the second transceiver the signal received from the third transceiver, either in the xDSL format or with the xDSL format removed, over the air path or through the connection means,
 - the second transceiver being arranged to transmit to the first transceiver the signal, either in the xDSL format or with the xDSL format removed, over the air path or through the connection means,
 - the first transceiver being arranged to generate an xDSL format and to transform the signal received from the second transceiver into the xDSL format, if the signal coming from the second transceiver is transmitted without said format, and
 - the first transceiver being arranged to transmit the xDSL-format signal to the third transceiver, the third transceiver being arranged to remove the format of the received xDSL-format signal and to transmit the signal inside the format to the server.

32. (New) A data transmission system as claimed in claim 30, wherein the second transceiver is arranged to establish several simultaneous xDSL connections to be transmitted over the air path to the first transceiver.

33. (New) A data transmission system as claimed in claim 31, wherein the second transceiver is arranged to establish several simultaneous xDSL connections to be transmitted over the air path to the first transceiver.